

Date: Wed, 12 Jan 94 00:10:27 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #26
To: Info-Hams

Info-Hams Digest Wed, 12 Jan 94 Volume 94 : Issue 26

Today's Topics:

Any interest in X Logging Program?
 Fm Broadcast
Last chance to copy Superball 1-94
 Motorola Cell-Phone Interface
No longer at computone.com - please redirect mail
 Peltier Diodes - HELP!!!
Portable 2m Antenna for Mountaineering???
 QSL routes
 RACES Bulletin #308
 Repeater database?
 Sat freqs
 UK Radio Groups
What Kind of Antenna Is This?
 WHERE ARE ALL THE YOU

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 11 Jan 1994 18:19:57 GMT
From: swrinde!sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!
icon.rose.hp.com!hpchase.rose.hp.com!cmoore@network.ucsd.edu
Subject: Any interest in X Logging Program?
To: info-hams@ucsd.edu

Hi all,

I'm starting to work on a logging program which will run on a unix workstation

running the X11 windowing system. I realize that most people don't have X11 workstations and radios in the same place, but I thought maybe someone out there might be interested. It will support interface to an Icom radio as well as logging and awards tracking.

Is there any interest in this? I'd be happy to give out copies once it is done. Also, are there any suggestions or requests as to what you'd like it to do? For example, I could probably add code to talk to other radios but I would need details on how they work...I only have an Icom.

If you would be interested in the program and/or have suggestions, send me mail at cmoore@mothra.rose.hp.com and let me know. I'll try to incorporate as many suggestions as I can. I also may need help with beta testing, particularly if I add support for radios I don't have.

If the response is overwhelming I'll probably just find an FTP site that I can put it on to make it available. If the response is non-existent I'll just go off and use it myself. :-)

Chris Moore
N6IYS
cmoore@mothra.rose.hp.com

Date: 10 Jan 94 20:55:14 CST
From: amiserv!vpnet!vpnet!akcs.marz@uunet.uu.net
Subject: Fm Broadcast
To: info-hams@ucsd.edu

Is it possible for a person with ham or modified ham set up to broadcast on the 88-108 Mhz area???

Later
Marz
akcs.marz@vpnet.chi.il.us

Date: Tue, 11 Jan 1994 08:08:14 GMT
From: nwnexus!a2i!gsmith@uunet.uu.net
Subject: Last chance to copy Superball 1-94
To: info-hams@ucsd.edu

SUPERBALL 1-94: LAST CHANCE TO COPY

Superball 1-94, the test of superpressure balloon technology carrying amateur radio beacons, is still transmitting.

The balloon, launched on January 7 at 1626z, burst about three hours later and landed in Utah's Uinta mountains, likely between 9500 and 10,000 feet elevation. A search party, on January 8, got within about two miles of the believed crash site, but were unable to continue due to steep terrain and deep powder snow. Whether recovery will be possible before spring remains uncertain.

Three beacons on the payload are still transmitting and have enough battery power to continue for at least several days. Reception reports are solicited. Reports from Illinois and Ohio have indicated good signals. Of particular interest are reports of reception through the Russian RS satellites, because this will give an idea of how practical this method of relaying telemetry will be for a later, longer-lived flight. Reports should include the receiving site, date and time of reception (preferably in UTC), and the frames of copied data. The frequencies are as follows:

Frequency	Satellite	Satellite Output Frequency
-----	-----	-----
21.229 MHz	RS-12	29.429 MHz
28.322 MHz	(not on a satellite input)	
145.871 MHz	RS-10	29.371 MHz

The 21- and 145-MHz transmitters are on for three minutes and off for nine. They send CW (not MCW) carrying telemetry information.

The 28.322 MHz beacon simply keys on and off and does not attempt to send code. This beacon, alone, has solar power. The keying rate indicates whether it is operating on solar power or from batteries. Solar power is indicated by a rate near 40 pulses per minute; battery power by a rate near 20 pulses per minute. It is unknown whether recent snows may have covered the solar panel. This transmitter may die as batteries run down, and then come back to life next spring as snow melts and the solar panel is again exposed to sunlight.

Send reception reports via E-mail to:

WB7QBC@uugate.aim.utah.edu

--

Gordon R. Smith, K7HFV gsmith@rahul.net
Salt Lake City, Utah

Date: 11 Jan 1994 15:06:47 -0500

From: nmt.edu!Mr-Hyde.aoc.nrao.edu!lynx.unm.edu!fmsrl7!ukma!darwin.sura.net!
howland.reston.ans.net!europa.eng.gtefsd.com!news.umbc.edu!nobody@network.ucsd.edu
Subject: Motorola Cell-Phone Interface
To: info-hams@ucsd.edu

Does anyone know anything about the 8-pin modular interface near the bottom
of the Motorola MicroTAC UltraLite Cellular Phone (Flip Phone) ?

Please email responses. I will summarize to the net.

Thanks

Brian

brian@umbc.edu

--

Brian Cuthie
Systemix Software, Inc.
brian@systemix.com

Date: 12 Jan 94 04:36:27 GMT
From: news-mail-gateway@ucsd.edu
Subject: No longer at computone.com - please redirect mail
To: info-hams@ucsd.edu

On Mon, 10 Jan 1994, larry kollar wrote:

>
> Due to circumstances beyond my control (i.e. I was laid off), I will no
> longer be able to answer mail sent to this account. Please re-direct
> my AMSAT mail to:
>
> lkollar@nyx.cs.du.edu
>
> Thanks to the many people who helped out with my recent problem with
> the newsletter (not getting it), especially to John Hansen who is
> sending me a replacement copy.
>
>
> See y'all at nyx!
> Larry Kollar, Senior Technical Writer | email: larryk@computone.com
> Computone Inc, Roswell, GA | "You help your country by investing
> Disclaimer: I just write the manuals! | in the future, not by waving flags."
> Check out our World-Wide Web server, <http://www.computone.com/>
>

>

Date: 7 Jan 94 15:14:30 GMT
From: ddsww1!indep1!clifto@uunet.uu.net
Subject: Peltier Diodes - HELP!!!
To: info-hams@ucsd.edu

In article <CJ7yEI.HGD@news.iastate.edu> S1.RSW@ISUMVS.IASTATE.EDU (R.S. Wallace) writes:

>honestly, my ulterior motive is in the construction of a
>cool-chamber in which to store my homebrew beers!! As a ham with a

Unfortunately, it's been enough years that I couldn't tell you where to look for information.

There's a commercial unit for cars for this purpose; last I saw it it was about \$129.95. Last I investigated making my own, it would have cost me about \$300 for the Peltier devices alone.

Peltier junction devices are quite expensive and probably not a good choice for this. Get a small refrigerator instead.

--

+-----+
| Cliff Sharp | clifto@indep1.chi.il.us |
| WA9PDM | clifto@indep1.UUCP never works |
+-----+

Date: 12 Jan 94 04:06:35 GMT
From: sdd.hp.com!col.hp.com!bobw@hplabs.hp.com
Subject: Portable 2m Antenna for Mountaineering???
To: info-hams@ucsd.edu

David Mercer (mercer@dgs.dnd.ca) wrote:

: I am an avid climber/backpacker etc and want to be able to use my HT in
: the backcountry. I require a design for an antenna (with better gain
: than my rubber duck) that is light, easily packable, and not too bulky,
: which will allow me to work repeaters in the 2m band. In case it
: matters, most (but not all) of the use will be from mountain tops.

: Obviously, a 1/2 wave dipole is a candidate but I was wondering if
: there are any others?

: How about a boom that can be disassembled? A flexible J pole? I would
: appreciate any and all suggestions.

I'd recommend an AEA Hot Rod (tm) antenna or similar.
Its a half-wave vertical (so no ground radials required) that
fits onto an HT BNC, telescopes down to about 8 inches long.
(There's one laying somewhere on the Continental Divide Trail,
where I dropped it.:-)

2nd choice is a j-pole made out of TV twinlead. Not really that
great unless there are usually trees around to hang it in.
Even then its probably too much hassle for the hiking/backpacking
scenario.

There are beams that disassemble, but unless you really need the
few dB of gain and are going to stay put for a while, I'd say
they are too much hassle as well.

Bob Witte / HP PMO (Colo Springs) / bobw@col.hp.com / KB0CY / (719) 590-3230

Date: Tue, 11 Jan 1994 10:14:14 GMT
From: netcomsv!netcom.com!tcj@decwrl.dec.com
Subject: QSL routes
To: info-hams@ucsd.edu

Derek Wills (oo7@astro.as.utexas.edu) writes:

> > PZ1DYX No listing given....
>
> Let me guess that this was a cw contact, and that the op was PZ1DY,
> who is quite active, and who was sending "thank you" = "TU" = "X" if
> you run the T and the U together, as many do.

Inspector Morse would be impressed! ;-)

Todd, KB6JXT

Date: 12 Jan 94 06:55:01 GMT
From: news-mail-gateway@ucsd.edu
Subject: RACES Bulletin #308
To: info-hams@ucsd.edu

Bid : \$RACESBUL.308

TO: ALL ES, CD, AND PUBLIC SAFETY DIRECTORS VIA AMATEUR RADIO

INFO: ALL RACES OPERATORS IN CALIFORNIA
INFO: ALL AMATEUR RADIO OPERATORS
FROM: CA STATE OFFICE OF EMERGENCY SERVICES (W6SIG@WA6NWE.CA)
2800 MEADOWVIEW RD., SACRAMENTO, CA 95832 916-262-1600
LANDLINE BBS OPEN TO ALL 916-262-1657

RACESBUL.308 RELEASE DATE: January 10, 1993

SUBJECT: TNG - Training for RACES people - Part 1/3

What kind of training could or should be given RACES operators by disaster response (OES, CD, etc.) organizations? The following are some worthwhile meeting and training topics submitted by volunteers and paid staff in California, Nevada, Colorado and Utah. Every effort to provide handouts should be made. A three-ring binder format is successful.

These are not shown in any particular order of priority nor does it reflect ALL the topics that could be covered. These are simply the most common topics that should be covered for all Amateur Radio operators assigned to a local government's RACES unit.

1. Write or update the RACES Plan.
2. Agency policies, procedures, practices and philosophies.
3. Message form and message center (handling) procedures. Keep it simple!
4. Names and titles of key local government leaders, department heads, and division chiefs.
5. Incident Command System (ICS) and ICS communications.
6. Mission of the organization.
7. Inter-agency relationships.
8. Inter-government relationships.

(To be continued in the next Bulletin)

EOM

Sent via W6WWW@KD6XZ.#NOCAL.USA.NA

RACES Bulletins are archived on the Internet at ucsd.edu in hamradio/races and can be retrieved using FTP.

Date: Wed, 12 Jan 1994 01:32:45 GMT
From: dog.ee.lbl.gov!agate!iat.holonet.net!bwilkins@network.ucsd.edu
Subject: Repeater database?
To: info-hams@ucsd.edu

mikewood@rock.concert.net (W. M Wood -- The Signal Group)after editing writes:

:
: More BS.... The REAL reason this information isn't given out is that
: Cordination Groups want to wield their coordination POWER without
: fear of any questioning their declarations. With all the data on

: a repeater (lat/lon/haat/erp , etc) you could challenge or even
: ignore their refusal to coordinate a repeater on a frequency you
: have chosen.

Should be quite easy to challenge your coordinating body with an
engineering study. The easiest amateur method is to draw a line on a map
of the usable coverage area of the adjacent repeater as it relates to your
proposal. You know that the good ole boys got to you when the line changes
;) Bare in mind there should not be any overlap of significant magnitude.

: I suspect less than 1% of the so called coordinated
: repeaters in operation today have any sort of REAL engineering
: study including contour maps done on them. Most have been 'coordinated
: ' by either first come first served ---- or Good Ole Boys Network
: methods.
:

The Motorola Engineering Study for our hilltop shows their mobile coverage
the same as our portable less than 5 watt contour. Of course the mobile
coverage of our repeater is significantly greater.

: This information is publicly available for EVERY commercial radio
: and television station in the USA and there is absolutely no reason other
: than small minded POWERMONGERING politics that this isn't available
: for amateur repeaters.

I think you are confused with the licence information available from the
FCC . An engineering study is only a tool to be used with caution.
Depending on the formulas used for the computed contours I have seen five
different contours for our repeater. Several of the programs fail to
enclude diffraction. We know our repeater plays over hills and can be
enhanced by ridge lines into areas that do not show up in your typical
engineering study.

:
: I dare ANY so called coordinating group to prove me wrong by PUBLISHING
: there engineering studies for all their "coordinated" repeaters.
:

No need to publish a study....You can drive the contour yourself, It
should be obvious even to an amateur. When you are on the edge you know it.
The edge does not change from day to day...you know how far up route 123
the repeater will work.

: All we'll probably hear is eithe silence or a crescendo of flames
: about how their "integrity " has been insulted....but the engineering
: studies generally don't exist so we will never see them!
:

I am sure you are right.....

:
: Mike Wood Internet: mikewood@rock.concert.net
: The Signal Group
: P.O. Box 1979 ***Avoid company disclaimers by owning the company ***
: Wake Forest, NC 27588
:
: Phone: 919-556-8477 Fax: 919-556-0115

Bob

--
Bob Wilkins n6fri voice 440.250+ 100pl san francisco bay area
bwilkins@cave.org packet n6fri @ n6eeg.#nocal.ca.usa.na

Date: 12 Jan 94 04:35:52 GMT
From: news-mail-gateway@ucsd.edu
Subject: Sat freqs
To: info-hams@ucsd.edu

On Mon, 10 Jan 1994, R.BENNETT wrote:

>
> It would be useful, if on occcassion, someone would post a list of all the
> amateur sattelites up and their frequencies.
>
> This would be extremely useful to the new satellite enthusiasts, and for
> others who may wish to try out a new bird from time to time.
>
> It would be a good item to post on packet as well as a supplement to the
> Monthly satellite reports form John M. in New Jersey.
>
> Bob Bennett
> kf8ph
>

Date: Tue, 11 Jan 94 18:25:27 GMT
From: swrinde!cs.utexas.edu!howland.reston.ans.net!EU.net!uknet!uos-ee!

ee.surrey.ac.uk!M.Willis@network.ucsd.edu
Subject: UK Radio Groups
To: info-hams@ucsd.edu

I hear there are UK radio based groups but they don't seem to propagate here.

Can anyone let me know of a method of getting them?

73 Mike

Date: 10 Jan 94 16:40:05 GMT
From: sdd.hp.com!swrinde!cs.utexas.edu!howland.reston.ans.net!
sol.ctr.columbia.edu!news.kei.com!ddsw1!indep1!clifto@network.ucsd.edu
Subject: What Kind of Antenna Is This?
To: info-hams@ucsd.edu

In article <1994Jan7.214214.17828@mnemosyne.cs.du.edu> rchalk@nyx10.cs.du.edu
(richard chalk) writes:
:This is most likely a VHF Slot antenna, with the slot running horizontally
:under the bar. A horizontal slot will radiate Vertically polarized signals,
:and the biggest advantage of this design is low physical profile....ideal
:for Busses, etc.

So, how would one go about making a 2M slot antenna for the car? Also,
how would one mount the antenna for minimum unwanted interaction between the
antenna and the ground plane / car?

--
+-----+
| Cliff Sharp | clifto@indep1.chi.il.us |
| WA9PDM | clifto@indep1.UUCP never works |
+-----+

Date: Mon, 10 Jan 94 13:14:43 EST
From: haven.umd.edu!news.umbc.edu!europa.eng.gtefsd.com!howland.reston.ans.net!
usenet.ins.cwru.edu!nigel.msen.com!ilium!sycom!p-cove!wolfman@ames.arpa
Subject: WHERE ARE ALL THE YOU
To: info-hams@ucsd.edu

ip@g8sjp.demon.co.uk (Iain Philipps) writes:

> In article <334qFc4w165w@p-cove.UUCP> wolfman@p-cove.UUCP writes:
>
> > See, I was told that if I connect up both the mobile radio and the TNC

> >to the power supply, and I was to transmit at 50 watts, after finishing
> >the transmission there would be a surge of power coming back, and that
> >could damage the TNC... I don't want to use a 9v battery because I don't
> >really feel like changing it every week..
> >
>
> Hmm. Interesting concept. From my (limited - 20 years) experience in this
> field, I'd say that what you have been told is absolute bull! The other
> matter arising is that, with the concept of packet radio networks, you
> should seriously review your antenna strategy if you need to run more than
> a few watts!

For packet I only use 5 watts.. But since this is my only radio, I have
to use this one for voice also, and in order to hit the one repeater, and
make my transmission readable, I have to use 50 watts..

Aaron

wolfman@p-cove.uucp (Aaron Smith)
Amateur radio station KB8PFZ

Date: 12 Jan 94 05:40:56 GMT
From: world!dts@uunet.uu.net
To: info-hams@ucsd.edu

References <1994Jan10.172952.17636@worldbank.org>,
<1994Jan11.142536.24875@ke4zv.atl.ga.us>, <CJH8y4.807@ncifcrf.gov>
Subject : Re: Log Periodics and DXing

In article <CJH8y4.807@ncifcrf.gov> mack@ncifcrf.gov (Joe Mack) writes:
>In article <1994Jan11.142536.24875@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary
Coffman) writes:
>>In article <1994Jan10.172952.17636@worldbank.org> dearnshaw@worldbank.org
(Darrell Earnshaw) writes:
>>>I'm curious. Does anyone have any experience with HF (20 meters and above) Log
>>>Periodic antennas? I'd be particularly interested in learning how they compare
>>>with the TH-7DXX/KT34XA class of antenna.
>>>
>>>(I'm moving house, and considering a LP to replace my venerable TH-7. I've been
>>>kicking around the idea of a L.P, to get WARC band coverage. However, if the
>>>performance is such that my TH-7, or a TH-11, will outperform them for DXing
>>>and contesting, then I may reconsider.)

>>>
>>>Opinions/Comments ?
>>
>>Reconsider. I don't know of any off the shelf LPs that will match your
>>current antennas. HyGain made some special ones for the military that
>>would be a match for your current antennas, but they were huge. In general,
>>an LP must be *much* larger than an optimized yagi for a given frequency
>>to have equivalent performance.
>>
>>Gary
>>--
>>Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
>>Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
>>534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
>>Lawrenceville, GA 30244 | |
>
>If you want an idea of what an L{ will look like on top of your house, look
>at the CQ calendar for this year - on e of the pictures ther will
>give you a good idea. Joe NA3T mack@ncifcrf.gov
>

I think you are referring to the picture of WA1EKV, who lives a short distance
from here. His LP with it's 60 foot boom looks positively SMALL, compared to
the 4 element, full size 80 meter beam he used to have up. Both are pretty
impressive sights!

Dan N1JEB

--

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-----
Daniel Senie                Internet:    dts@world.std.com
Daniel Senie Consulting      n1jeb@world.std.com
508-365-5352                Compuserve:  74176,1347
-----

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Date: 11 Jan 94 18:13:59 GMT
From: concert!inxs.concert.net!rock.concert.net!mikewood@rutgers.rutgers.edu
To: info-hams@ucsd.edu

References <2g4bc8\$aue@crl.crl.com>, <1994Jan05.065815.24300@wattres.sj.ca.us>,
<1994Jan5.125300.21517@mnemosyne.cs.du.edu>
Subject : Re: Repeater database?

In article <1994Jan5.125300.21517@mnemosyne.cs.du.edu>,
Jay Maynard <jmaynard@nyx10.cs.du.edu> wrote:
>It's real simple: lat/lon/haat information is enough to walk up to the tower
>or building the repeater is on, and therefore enough to get the repeater
>stolen, or for someone to talk to the site owner and get the repeater kicked

>off of the site. Sites are very, very hard to get unless you're willing to pay
>commercial rates - and very few hams are that rich.
>

HORSE-FROCKEY !!! If someone wants to find a repeater's location for
mischevious purposes he can find it using simple direction finding
techniques used by 'Fox-Hunters'. A 30 minute process usually.

>
>At lease in the cas of the Texas VHF-FM Society, lat/lon/HAAT data is
>considered confidential data, and is not accessible to those not directly
>involved in the coordination process. I'm a director, and _I_ can't even get
>access to it. The reason for this is simple: if we didn't keep it
>confidential, we wouldn't get the data either.
>--

More BS.... The REAL reason this information isn't given out is that
Cordination Groups want to wield their coordination POWER without
fear of any questioning their declarations. With all the data on
a repeater (lat/lon/haat/exp , etc) you could challenge or even
ignore their refusal to coordinate a repeater on a frequency you
have chosen. I suspect less than 1% of the so called coordinated
repeaters in operation today have any sort of REAL engineering
study including contour maps done on them. Most have been 'coordinated'
' by either first come first served ---- or Good Ole Boys Network
methods.

This information is publicly available for EVERY commercial radio
and television station in the USA and there is absolutely no reason other
than small minded POWERMONGERING politics that this isn't available
for amateur repeaters.

I dare ANY so called coordinating group to prove me wrong by PUBLISHING
there engineering studies for all their "coordinated" repeaters.

All we'll probably hear is eithe silence or a crescendo of flames
about how their "integrity " has been insulted....but the engineering
studies generally don't exist so we will never see them!

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End of Info-Hams Digest V94 #26
